

Abstract

A device for examining chemical and/or biological samples comprises a sample carrier (10) for receiving the samples. The sample carrier (10) comprises a sample carrier wall (12) through which a sample is examined with the aid of an objective (14). The objective (14) comprises an exit lens (16) which defines a gap (20) towards an outer surface (18) of the sample carrier wall (12), in which gap a film (22) of an immersion material can be arranged such that the film (22) is in contact with both the outer surface (18) and the exit lens (16). The exit lens (16) is surrounded by a protection means (24) which is in particular configured as an objective cap. To improve protection of the objective (14) from becoming fouled by the immersion medium, the protection means comprises a capillary channel (30) connected with a suction means for discharging the immersion medium.

(Fig. 1)